Notice of Allowability	Application No.	Applicant(s)
	09/900,111	WILTAMUTH ET AL.
	Examiner	Art Unit	
	CHAMELI C. DAS	2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the appeal brief filed on 8/22/05.*

2. ☒ The allowed claim(s) is/are *1-11, 14-33, 36-52, 55-60 (the newly numbered claims are 1-54).*

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some*   c)☐ None of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a)☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1)☐ hereto or 2)☐ to Paper No./Mail Date _____ .

    (b)☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *9/21/05* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

1.   This action is in response to the Appeal brief filed on 8/25/05.

2.   Claims 1, 6, 9, 15-17, 23, 28, 31, 36-39, 42-52, and 55-60 have been amended in

Examiner's amendment.

3.   Claims 12-13, 34-35, and 53-54 have been canceled (Examiner's amendment).

4.   Claims 1-11, 14-33, 36-52, and 55-60 have been allowed.

EXAMINER'S AMENDMENT

5.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Mr. Jeremiah J. Baunach, applicant's attorney on 9/19/05.

The application has been amended as follows:

In the specification:

At page 1, in the "Cross Reference to Related Applications", lines 13-14,

[This application relates to U.S Patent Appln. Nos. (Attorney Docket Nos. MSFT-

571 and MSFT-573)] should be replaced by This application relates to U.S

Patent Application No. 09/900,113 (Attorney Docket No. MSFT-571) and U.S

Application No. 09/900,123 (Attorney Docket No. MSFT-573).

In Claims:

Claim 1 (Currently amended):

at line 2, after "method", insert operating on a computer and

at line 5, after "component" delete [[.]] and insert , wherein said specifying

of programmer intent includes providing a versioning-aware overload resolution

method to locate a second method invoked by a first method invocation, wherein

said versioning-aware overload resolution method includes:

determining a type indicated by the first method invocation;

checking up an inheritance chain until at least one applicable, accessible,

non-override method declaration is found;

performing overload resolution on a set of applicable, accessible, non-

override methods declared for the type; and

selecting the second method based on a performance of said overload

resolution.

Claim 6 (Currently amended):

at line 4, "Fortran, Pascal, Visual Basic, C, C++ and Java" should be

replaced by FORTRAN, PASCAL, VISUAL BASIC, C, C++ and JAVA

Claim 9 (Currently amended):

at line 3, before "type", delete [the] and insert a

Delete claims 12-13.

Claim 14 (Currently amended):

at line 1, [claim 12] should be replaced by claim 1

at line 3, before "run-time" delete [the] and insert a

at line 3, before "instance" delete [the] and insert an

Claim 15 (Currently amended):

at line 1, [claim 12] should be replaced by claim 1

at line 3, before "compile-time" delete [the] and insert a

at line 3, before "instance" delete [the] and insert an

Claim 16 (Currently amended):

at line 1, [claim 12] should be replaced by claim 1

Claim 17 (Currently amended):

at line 1, [claim 12] should be replaced by claim 1

at line 2, before "functionality" delete [[the]] and insert a

Claim 23 (Currently amended):

at line 1, after "computer-readable" insert storage

at line 6, after "component" delete [[.]] and insert , wherein said specifying

of programmer intent includes providing a versioning-aware overload resolution

method to locate a second method invoked by a first method invocation, wherein

said versioning-aware overload resolution method includes:

determining a type indicated by the first method invocation;

checking up an inheritance chain until at least one applicable, accessible,

non-override method declaration is found;

performing overload resolution on a set of applicable, accessible, non-

override methods declared for the type; and

selecting the second method based on a performance of said overload

resolution.

Claim 28 (Currently amended):

at line 4, "Fortran, Pascal, Visual Basic, C, C++ and Java" should be

replaced by FORTRAN, PASCAL, VISUAL BASIC, C, C++ and JAVA

Claim 31 (Currently amended):

at line 3, before "type", delete [the] and insert a

Delete claims 34-35.

Claim 36 (Currently amended):

at line 1, [claim 34] should be replaced by claim 23

at line 3, before "run-time" delete [the] and insert a

at line 3, before "instance" delete [the] and insert an

Claim 37 (Currently amended):

at line 1, [claim 34] should be replaced by claim 23

at line 3, before "compile-time" delete [the] and insert a

at line 3, before "instance" delete [the] and insert an

Claim 38 (Currently amended):

at line 1, [claim 34] should be replaced by claim 23

Claim 39 (Currently amended):

at line 1, [claim 34] should be replaced by claim 23

at line 2, after "breaking" delete [the] and insert a

Claim 42 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

at line 5, after "component" delete [[.]] and insert <u>, wherein said specifying</u>

<u>of programmer intent includes providing a versioning-aware overload resolution</u>

<u>method to locate a second method invoked by a first method invocation, wherein</u>

<u>said versioning-aware overload resolution method includes:</u>

<u>determining a type indicated by the first method invocation;</u>

<u>checking up an inheritance chain until at least one applicable, accessible,</u>

<u>non-override method declaration is found;</u>

<u>performing overload resolution on a set of applicable, accessible, non-</u>

<u>override methods declared for the type; and</u>

<u>selecting the second method based on a performance of said overload</u>

<u>resolution.</u>

Claim 43 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

Claim 44 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

Claim 45 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

Claim 46 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

Claim 47 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

at lines 4-5, "Fortran, Pascal, Visual Basic, C, C++ and Java" should be replaced

by <u>FORTRAN, PASCAL, VISUAL BASIC, C, C++ and JAVA</u>

Claim 48 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

Claim 49 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

Claim 50 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

at line 3, before "type" delete [the] and insert <u>a</u>

Claim 51 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

Claim 52 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

Delete claims 53-54.

Claim 55 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

at line 1, [claim 53] should be replaced by <u>claim 42</u>

at line 3, before "run-time" delete [the] and insert <u>a</u>

at line 3, before "instance" delete [the] and insert <u>an</u>

Claim 56 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

at line 1, [claim 53] should be replaced by <u>claim 42</u>

at line 3, before "compile-time" delete [the] and insert <u>a</u>

at line 3, at the end of the line delete [the] and insert <u>an</u>

Claim 57 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

at line 1, [claim 53] should be replaced by <u>claim 42</u>

Claim 58 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

at line 1, [claim 53] should be replaced by <u>claim 42</u>

at line 3, before "functionality", delete [the] and insert <u>a</u>

Claim 59 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

Claim 60 (Currently amended):

at line 1, after "language" insert <u>stored on a computer</u>

REASON FOR ALLOWANCE

6.   The following is an examiner's statement of reason for allowance:

The cited prior art taken alone or in combination fail to teach, in

combination with the other claimed limitations, a method for providing versioning

support, the method comprising: providing a versioning-aware overload

resolution method to locate a second method invoked by a first method

invocation, wherein said versioning-aware overload resolution method includes:

determining a type indicated by the first method invocation; checking up an

inheritance chain until at least one applicable, accessible, non-override method

declaration is found; and performing overload resolution on a set of applicable,

accessible, non-override methods declared for the type, as recited in the

independent claims 1, 23, and 42.

Conclusion

7.   The prior art made or record and not relied upon is considered pertinent to

applicant's disclosure.

TITLE: Persistent storage of information objects, US 6769124 B1

TITLE: Extensible network management system, US 6226788 B1

TITLE: Hierarchical encapsulation of instantiated objects in a multimedia authoring
system including Internet accessible objects, US 5907704 A

TITLE: Component extensible parallel execution of multiple threads assembled from
program components specified with partial inter-component sequence information, US
6205465 B1

TITLE: Object-oriented document version tracking method and apparatus, US 5890176
TITLE: Version Management of Composite Objects in CAD Databases, author: Ahmed,
ACM, 1991.

TITLE: Visual Support for Version Management, author: Wein et al, ACM, 1992,

TITLE: Analytical Version Control Management in a Hypertext System, author: Dattolo

et al, ACM, 1994.

TITLE: Version Management in Gypsy, author: Cohen et al, ACM, 1988.

8.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chameli Das whose telephone number is 571-272-3696.

     The examiner can normally be reached on Monday-Friday from 7:00 A.M. to

3:30 P.M.

     If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor Tuan Dam can be reached at 571-272-3695. The fax

number for this group is (571) 273-8300.

     An inquiry of general nature or relating to the status of this application or

proceeding should be directed to the group receptionist whose telephone number

is 571-272-2100.

CHAMELI C. DAS
PRIMARY EXAMINER